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UNITED STATES DEPARTMENT OF AGRICULTURE
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I N S E C T P E S T S U R V E Y

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× HESSIAN FLY SURVEY AT HARVESTTIME 1949 ×

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Field surveys made by the Bureau of Entomology and Plant Quarantine in cooperation with State agricultural agencies of Kansas, Oklahoma, Nebraska, Iowa, Missouri, Illinois, Ohio, New York, Pennsylvania, and New Jersey indicate that hessian fly infestations are moderate in southeastern Kansas, northeastern, central, and southwestern Missouri, central and southern Illinois, Indiana, Ohio, and New Jersey. Low infestations are generally present elsewhere in the winter-wheat belt from Colorado to the Atlantic coast and in California. Careful observance of the safe seeding dates is recommended, however, especially in the areas of moderate infestations.

The data summarized in table 1 and the accompanying map indicate more fully the regions covered by the survey and the general trend of infestations.

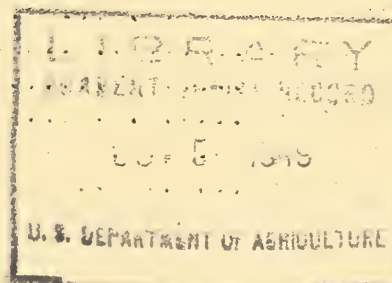


Table 1.--Hessian fly survey at harvesttime 1949.

Area	Fields sampled	Stems infested	
		Average	Maximum
	<u>Number</u>	<u>Percent</u>	<u>Percent</u>
California	74	Trace	4
Colorado, northeastern	19	4	18
Nebraska: ^{1/}			
Western	25	6	22
Southwestern	21	7	46
South-central	13	2	14
Southeastern	33	1	4
Kansas: ^{1/}			
Northwestern	65	4	26
Southwestern	31	Trace	2
North-central	85	1	12
South-central	37	1	8
Northeastern	105	4	30
Southeastern	65	13	100
Oklahoma: ^{1/}			
Northwestern	14	Trace	6
North-central	44	1	14
Northeastern	27	7	44
Arkansas, northwestern	4	2	6
Iowa: ^{1/}			
Northwestern	12	2	8
Southwestern	17	Trace	2
North-central	1	0	0
South-central	3	1	2
Southeastern	4	7	14
Missouri: ^{1/}			
Northwestern	83	6	38
West-central	48	14	50
Southwestern	42	10	36
Northeastern	20	9	32
East-central	22	14	52
Southeastern	3	1	4
Illinois: ^{1/}			
Northern	44	1	
Central and southern	173	12	52

Table 1.--Continued

Area	Fields sampled	Stems infested	
		Average	Maximum
	Number	Percent	Percent
Michigan, southern	72	2	14
Indiana	268	10	60
Ohio: ^{1/}			
Western	79	3	28
Northeastern	40	16	56
Kentucky:			
Western	40	4	12
Eastern	31	1	6
Tennessee:			
West-central	45	3	18
Eastern	60	1	6
New York, western ^{1/}	63	4	18
Pennsylvania ^{1/}	114	6	36
New Jersey ^{1/}	51	10	56
Delaware	15	6	18
Maryland	82	5	54
Virginia	138	3	36
North Carolina, central	90	3	40
South Carolina, western	46	3	30
Georgia, northern	53	7	78

^{1/} In cooperation with State entomologists

HESSIAN FLY SURVEY AT HARVESTTIME 1949

Numbers indicate percentage of stems infested.
Cross-hatching indicates moderate infestation.

